



MAJOR APPLIANCE REPAIR

MINIMUM EQUIPMENT LIST

Instructional Equipment and Software

Item Name	Count 15 Students	Count 20 Students	Count 25 Students	Description/Specification
Television/VCR/DVD	1	1	1	25"
Overhead Projector with Screen	1	1	1	
A/V Cart/Media Storage Center	1	1	1	
LCD	1	1	1	
Air Compressor	1	1	2	2 HP, 30 gal. tank
Analyzer, Hermetic	1	1	1	Multi-phase
Cart, Work	4	5	6	Roll around
Cleaning Tank, Parts	1	1	1	Non-solvent based cleanser suggested
Computer System	1	1	1	Refer to Technical and Professional Education Technology Standards
Computer Printer	1	1	1	Refer to Technical and Professional Education Technology Standards
Drill Press	1	1	2	Bench, 12"
Flipper, Appliance	2	2	2	
Gauge and Manifold, Refrigeration	1	1	1	For HFC-134a
Gauge and Manifold, Refrigeration	1	1	1	For R-12
Gauge and Manifold, Refrigeration	1	1	1	For R-410
Grinder, Bench	1	1	2	1/4 HP w/Wire Brush
Leak Detector	2	2	2	Combustible gas, electronic
Leak Detector	2	2	2	Halogen, electronic
Multi-Meter, Digital	4	5	6	
Puller Set	1	1	1	
Recovery Cylinder	3	3	3	Refrigerant (1 ea R-12, HFC-134a, R-410)
Recovery System, Refrigerant	1	1	1	Multiple refrigerants
Table, Metal	4	5	6	30" X 5'
Tap and Die Set	1	1	1	Standard & metric
Tool Set, Automatic Washer	3	4	5	1 set per major manufacturer
Tool Set, Service Valve	1	2	3	
Vacuum Gauge	1	1	2	Vacuum to 50 microns



Item Name	Count 15 Students	Count 20 Students	Count 25 Students	Description/Specification
Vacuum Pump	1	1	2	2 Stage, 1/2 HP, 5 cu ft/min
Vise, Bench	2	3	4	4" jaws
Vise, Drill Press	1	1	2	Angle adjustable
Vise, Machinist	1	1	2	4 1/2" metal jaw
Welder, Portable	1	1	1	Oxy-Acetylene Unit (Complete welding outfit w/cutting torch attachments, bottles, and cylinder truck)
Wrench Set, Open End	2	2	3	Standard & metric, 1/4" to 1"; 7mm to 15mm
Wrench Set, Socket	2	2	3	Standard & metric, 1/4" drive, 3/16" to 1/2", 6pt; 5mm-13mm, standard and deep well
Wrench Set, Socket	2	2	3	Standard and metric, 3/8" drive, 3/8" to 13/16", 5mm-13mm, standard and deep well
Wrench, Air Ratchet	1	2	3	3/8 drive